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The only 93 per cent Factory-built Car in America.

Nash Touring \$1475
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T. T. Gardner & Son
GARDENA, TORRANCE, INGLEWOOD, REDONDO
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Buick Battles Big Obstacles

With the demand for Buicks the greatest in history, transportation plants at Flint, Mich., are presenting new and interesting phases of activity, according to word received by H. W. Tuttle, assistant general manager of the Howard Automobile Co., distributor of the Buick line in Los Angeles. Buick is producing more than 700 cars per day and in reaching its peak output of all time is having to fight railroad embargoes and car shortages. These obstacles have affected both incoming materials and outgoing automobiles.

Lubricate Your Auto Properly

The correct lubrication of any motor car depends on three conditions, all within the control of the operator. They are:

The use of the highest quality lubricating oil by the driver.

The use of the correct grade of that oil to meet the engine operating conditions exactly.

The exercise of the proper precaution to maintain the quality of the lubricant while in service and to make adjustments to insure its delivery in the correct quantities to the friction surfaces.

Failure of the operator to give the necessary attention to any one of these conditions may result in impaired performance and increased operating costs.

The choice of the correct oil for an engine is a matter for a man with experience. There are several basic factors to be considered due to engine design.

One is engine operating temperature. This depends primarily on the service or "loading of the engine." When a motor is being used constantly, naturally its temperature as contracted with intermittent work, is much higher. As all oils tend to lose body, or thin out under heat, the heavier-bodied oils seem best where operating temperatures are high.

The correct oil also must be of such character as to minimize carbonization. It also must be of sufficient body to seal the piston rings against highly compressed gases on the compression and power strokes. Get in touch with the nearest distributor of your car and receive proper advice as to the oil to use.

When Insulator Is Conductor

"It's an insulator!" Most of us have heard certain materials described in that way so often that we have formed the idea that insulating materials make up a definite class like minerals, or vegetables, or metals. The fact is that insulating value is relative—just as weight or temperature are relative. If it is a good conductor it is a poor insulator; if a good insulator it is a poor conductor.

Take a look at the insulating materials and you'll see that they are all extremely poor conductors. The glass insulators on the lighting poles, the porcelain tubes used on a job of house wiring, the rubber that encloses practically all wires are the worst conductors in the world—and therefore the best insulators.

From this you can see that some ingenuity had to be exercised to find a material that was a good electrical insulator and would permit the battery solution to pass through all at the same time—yet this is exactly what the insulation in a battery has to do. It has to insulate the plates of the battery from each other just as the rubber sheath on a wire insulates it from the steel frame of the car. In addition, it has to permit chemical action to go on freely from plate to plate. Moreover, battery insulation has to be hard to withstand shocks, jolts and vibration. It has to be able to stand long immersion in strong acid, and it has to be easily worked, plentiful enough to insure constant supply, and of uniform quality.

Under the early experiments wood won first place. It was porous, which meant that it allowed free passage of battery solution without loss of insulating value and it was easily obtainable. But it wasn't entirely uniform, nor was it easy to prepare for use.

What could be more natural than a search to find some artificial product that would keep the merits of wood and avoid its shortcomings. Inventors turned to rubber—the universal insulating material—with the hope that by one means or another, it could be made porous.

The thought and study put into this problem brought benefits to the hundreds of thousands of car users who are today using Willard Batteries with Threaded Rubber Insulation between the plates. For it has been demonstrated that this manufactured product has many advantages that are lacking in wood, the natural product.

In this way the best of insulators, electrically, was made the best of conductors from a chemical standpoint. And it is because of this unique combination that you can be sure your plates are protected by rubber—the universal in-

BOY SCOUTS



The local troops have a window display this week in the window of the Torrance Hardware Co. The official uniform, equipment, badges, and Scout books, and magazines are shown.

The Harbor District organization conducts hikes and camps and gives tests for second and first class rank. The November program is posted in the store of the Torrance Hardware Co., and Scouts and others interested are urged to consult it as to time and places of district activities for Torrance Scouts.

The Boy Scouts of America is not a sectarian organization. In its membership will be found Catholics, Jews, and Protestants. It is a religious organization in the sense that it stands for belief in God and faithfulness in the religious beliefs of its members, whatever they may be. No man can secure a commission as Scoutmaster who does not sign a statement that he believes in God, and recognizes his obligation to him. The first words in the Scout oath that every boy must accept before becoming a Scout are, "To do my duty to God." The boy on becoming a member of the organization accepts twelve Scout laws, and one of these is Reverence. "A Scout is reverent. He is faithful in his religious duties and respects the convictions of others in matters of custom and religion." The national organization has made a stand that no Sunday hikes are to be conducted without the consent of the parents, and the religious organization with which the troop is connected, and if a Sunday hike or one covering Sunday is conducted, that some form of religious service appropriate to the day shall be a part of the program.

In the next issue of this paper there will be a story of what the District is planning for the vacation periods in the way of outdoor activities. Torrance Troop No. 2 is not open to membership, having more than its authorized strength. Torrance Troop No. 1 is a troop of older boys and is open to membership for boys meeting its requirements. Both troops meet in the American Legion hall on Thursday evenings.

Mr. Nelson H. Reeves is the Scoutmaster of Troop No. 1, and Mr. James H. Scott of Troop No. 2. It is the hope and expectation of the District to organize another troop and possibly two, within the next few weeks.

Mr. Ellis P. Moore, Jr., as Deputy Scout Commissioner, is in charge of the District, with a district office located at 543 1/2 Seventh street, San Pedro, postoffice box 635 and phone number 778-J.

CHILDREN'S CORNER

BABY ROBIN AND THE BLACKBIRD

Baby Robin lived in a big tree on a beautiful lawn. His father and mother took good care of him; every morning they flew away to get worms and bugs to feed him; but they did not both go far away at the same time. One of them always stayed near enough so that if he cried they could come to see what was the matter.

Baby Robin was getting so large that one morning Father and Mother Robin said, "Now, it is time for you to learn to fly, little son." Baby Robin was not sorry to hear that, because he had been wanting to get out of the nest for several days, but Mother and Father had said that his little wings were not quite strong enough then. Now they were willing to have him try them.

Father Robin took Baby on his back, and carried him down to the ground, and then he and Mother Robin showed him just how to flap his wings so that he would go up in the air, and he flew around a little, just a few inches above the ground. Of course, Mother and Father were just as proud of him as our mothers and fathers are of their babies when they begin to walk.

But now they were all hungry, so Mother and Father Robin went off in search of food; Baby was a little bit frightened at being left on the ground all alone; he would have felt safer in his nest up in the tree. He kept very quiet, so that no one would see him.

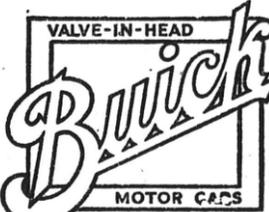
Now, along came a big blackbird, and he spied the Baby Robin all alone, and began to peck his head. Baby Robin screamed as loudly as he could, and his parents flew to the rescue, and drove the old blackbird away. But as soon as they flew away, back came Mr. Blackbird, so Baby Robin had to call Mother and Father again. Then they took him back to his home up in the tree and the blackbird stayed away, and never bothered him any more.

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WHEN BETTER AUTOMOBILES ARE BUILT BUICK WILL BUILD THEM



The 1923 Four-Cylinder Roadster

Inspect it from any angle—snug, beautifully tailored top; long, low body lines; heavy one-piece crown fenders; lots of room for two people and two compartments for their luggage.

A big steering wheel that comes up to you, a shifting lever that operates without bending forward, a transmission lock and improvements which give all 1923 Buicks a Class "A" fire insurance rating.

And, below the surface, the famous Buick Valve-in-Head motor and chassis.

H. N. GRIFFIN
Buick Sales and Service
DEALER FOR THIS TERRITORY
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Giving Service Willard Motto

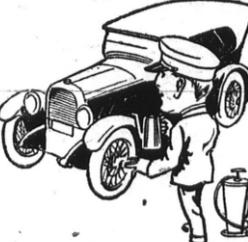
"How far in business is idealism profitable is a question often asked," said Chris Guttenfelder, manager of the Torrance Auto Electric, distributor for Willard batteries.

"The old idea, 'let the buyer beware,' certainly does not apply to our business. Nearly a decade ago the Willard company laid down the principle that it would pay to merchandise on a basis of giving service—to assist the owner to make his battery, whether a Willard or other, to give the maximum amount of service. It was held that sales are secondary—that they would naturally follow if the principle were strictly adhered to.

"The directorate of the Western Auto Electric corporation believed in the soundness of the theory and for ten years it has held steadfastly to the principle. Its success became automatic.

"Recently the company, in attempting to improve its service to the motoring public, has doubled the number of its neighborhood stations until now, these stations working under the auspices of the parent station at Sixteenth and Hope streets, Los Angeles, cover, as a network, the entire community."

The Chas. Ellman Furniture company has employed the Torrance Electric shop to construct a large electric sign to be placed in front of their magnificent store at 1214 El Prado. There will be hundreds of electric globes spelling the word "Furniture" in a perpendicular position.



IT IS A GREAT SATISFACTION to you, as the driver of the car, to know that your gasoline and oil supply is full and that you will not run short out on the road. But it is even more satisfying to know that you have the best grade of gas and oil, obtained at the Lomita Filling Station.

We Charge Batteries

LOMITA FILLING STATION
C. M. SMITH, Prop.
Free Parking P. O. BLDG. Free Battery Service LOMITA

GASOLINE

Richfield and Proppello

Palos Verdes Service Station

Cor. Narbonne and Redondo-Wilmington Blvd. Lomita
TIRE TUBES AND ACCESSORIES. PUENTE OILS

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YOUR BATTERY RE-CHARGED WHILE YOU WAIT

We Build and Rebuild Radiators & Repair Fenders Speedster Bodies Built

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Sheet Metal and Plumbing Co.
4th at Center Phone 147

TORRANCE LODGE

NO. 447 F. & A. M.



Meetings at Lomita Hall
PAUL J. BEALL, W. M.
E. H. NASH, Secretary.

TRIPLE CITY LODGE I. O. O. F.

No. 333, LOMITA, CAL.



Meet every Tuesday Night
Initiatory Degree first Tuesday of each month.

When a man complains about the severity of the law he would probably violate it if he was not afraid of getting caught.



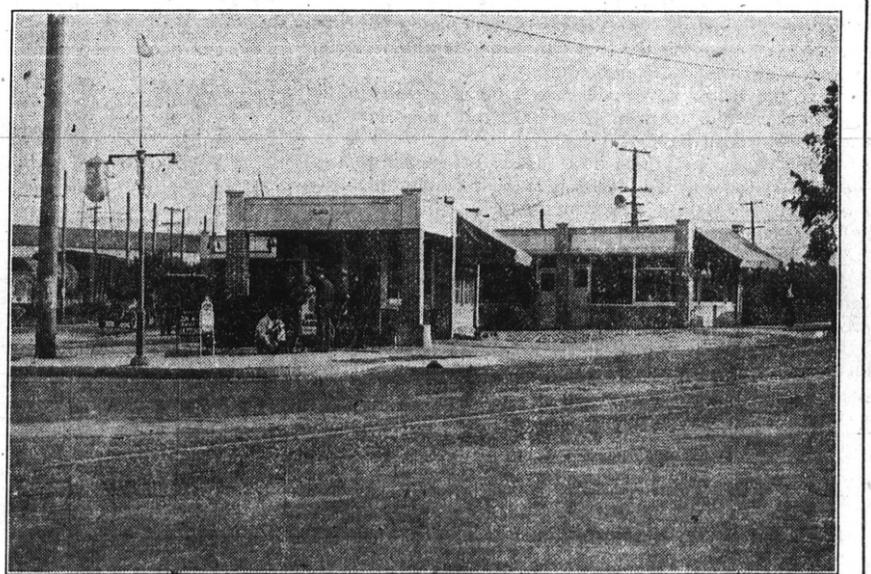
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Through Service We Grow

TORRANCE AUTO ELECTRIC



LUDEN'S
MENTHOL COUGH DRUGS
for nose and throat
Give Quick Relief



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THE FINEST AUTO SERVICE STATION IN THE HARBOR DISTRICT

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U. S. ROYAL CORD

TIRES and the U. S. ROYAL TUBE

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MADE STRONGEST—WEARS LONGEST
RESISTS HEAT—RETAINS SHAPE
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